Major source of non-conventional Energy

636. SHRI THANGA TAMILSELVAN: Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) which is the major source of non-conventional energy in terms of available potential in the country;

(b) which is the major source of non-conventional energy in terms of exploitation in the country;

(c) whether Government have any area specific energy exploitation scheme for tapping the available potential; and

(d) if so, the details thereof?

THE MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI VILAS MUTTEMWAR): (a) to (d) Details of estimated potential and cumulative installed capacity of grid interactive renewable power programmes in the country as on 30.09.2004 are given in the Statement (*See* below). The Ministry is implementing various programmes/schemes for exploitation of grid interactive renewable power to encourage deployment of new and renewable energy systems/devices by providing fiscal and financial incentives. In addition, some State Electricity Regulators are providing preferential tariffs for grid interactive renewable power.

Statement

Details of Estimated Potential and Cumulative Installed Capacity of Grid Interactive Renewable Power Projects in the Country as on 30.09.2004

Sources/Systems	Estimated Potential	Cumulative Installed Capacity (As on 30.09.2004)
1	2	3
Wind Power		2781.00
* Gross Estimated Potential	45,000	
* Estimated current technical potential	13,400*	

1	2	3
Biomass Power/Bagasse Co-generation	19,500	681.53
Small Hydro (upto 25 MW)	15000	1634.00
Waste to Energy	2700	41.43
o Municipal Solid Waste	(1700)	(17.00)
o Industrial Waste	(1000)	(24.43)
Solar Photovoltaic	20 MW per sq. km.	2.65
	TOTAL	**5140.61**

*Restricted to around 20% of available grid capacity in respective States.

Assistance for Increasing use of solar energy

637. SHRI C. PERUMAL: Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) whether more assistance is proposed to be given for inreasing use of solar energy considering the heavy cost of installation;

(b) if so, the details thereof; and

(c) if not, the reasons therefor?

THE MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI VILAS MUTTEMWAR): (a) to (c) The Ministry of Non-conventional Energy Sources is implementing programmes for encouraging the utilization of solar thermal and photovoltaic technologies in the country. In spite of their high initial cost, several solar energy products have become competitive to conventional energy systems with attractive pay back periods. Nevertheless, financial assistance is being provided by way of capital subsidy for some items used mainly in rural areas and interest subsidy for some other items used mainly in urban areas. Financial assistance is also being provided for demonstration projects based on new and emerging technologies. The Ministry is also providing support for activities such as training, awareness promotion, market development etc.

The quantum of financial assistance is determined on the basis of the cost of the product and the nature of the application. Considering the cost trends and available resources, there is no proposal to increase the assistance. However, efforts are being made to enlarge and accelerate the programmes so that more people can benefit from them.